

Response of Pearlmillet to Soil and Foliar Nutrition of Zinc and Iron

Y Venkata Lavanya, K Mosha, M Sree Rekha and P Venkata Subbaiah

Department of Agronomy, Agricultural College, Bapatla, A. P.

ABSTRACT

A field experiment was carried out during *kharif*, 2019 at Agricultural College Farm, Bapatla, Acharya N.G. Ranga Agricultural University. The experiment was laid out in simple Randomised Block Design with nine treatments and replicated thrice. Plant growth characters like drymatter production and yield attributing characters like number of effective tillers m^{-2} recorded highest with soil application of $50 \text{ kg ha}^{-1} \text{ ZnSO}_4$ as basal + soil application of $25 \text{ kg ha}^{-1} \text{ FeSO}_4$ as basal along with soil test based NPK fertilizer application (T_9) compared to rest of the treatments. Highest grain and straw yield of pearlmillet was recorded with T_9 treatment *i.e.* STBF + soil application of $50 \text{ kg ha}^{-1} \text{ ZnSO}_4$ as basal + soil application of $25 \text{ kg ha}^{-1} \text{ FeSO}_4$ as basal over the rest of the treatments.

Keywords: *pearlmillet and Soil and foliar application of Zn and Fe.*